

1. Identification	
Product Name(Identifier)	Carbo-clean
Manufacturer	Total Systems Technology Inc.
Address	65 Terence Drive, Pittsburgh, PA 15236
Phone Number	412-653-7690
Emergency Phone Number	800-245-4828
Recommended Use	Automotive Maintenance
Restrictions on Use	Not for use on skin

2. Hazard Identification	
Hazard Statements	H317: May cause an allergic skin reaction H320: Causes eye irritation H333: May be harmful if inhaled H335: May cause respiratory irritation
Precautionary Statements	P261: Avoid breathing dust/fume/gas/mist/vapors/spray P262: Do not get in eyes, on skin, or on clothing P264: Wash hands/skin thoroughly after handling P270: Do not eat, drink or smoke when using this product
Signal Word	Warning

Pictograms

Irritant



3. Composition/ Information on Ingredients	
Substances	%
Water	50-75%
Sodium Gluconate	1-5%
Sodium Metasilicate	1-5%
Sodium Hydroxide	1-5%
Active 14	5-10%
Isopropanol	1-5%
Active S	1-5%
Butyl Cellosolve	1-5%
Blue Dye	1-5%
Trade Secret Claims	The exact concentration of these ingredients are being withheld in accordance with the OSHA 1910.1200 (i).

4. First Aid Measures	
Symptoms	After prolonged use, this product may be irritating if inhaled, with contact of skin, on eyes, and if ingested.
Required Treatment	<p>Inhalation: Remove victim from further exposure, seek immediate medical attention.</p> <p>Skin: Wash skin with soap and water. Remove contaminated clothing and launder before reuse.</p> <p>Eyes: Flush eyes with water for 15 minutes. Lift under each eyelids.</p> <p>Oral: Do not induce vomiting. Keep head below hips if vomiting occurs spontaneously.</p>

5. Fire-fighting Measures	
Extinguishing Techniques	Water fog, CO ₂ , Dry Chemical, and Alcohol resistant Foam are all acceptable.
Proper Equipment	Fire retardant clothing and a Self-Contained Breathing Apparatus
Chemical Hazards from Fire	Co, CO ₂
Not acceptable Techniques	Water jet

6. Accidental Release Measures	
Emergency Procedures	Avoid contact with material. Do not inhale/ingest.
Emergency Equipment	Refer to Section 8
Proper method of cleanup	Absorb with inert ingredient such as sand earth, or vermiculate. Dispose of in accordance with federal and state regulations.

7. Handling and Storage	
Precautions for Safe Handling	Wear appropriate personal protection.
Precautions for Safe Storage	Keep at room temperature. Store upright. Keep in sealed containers.
Incompatibilities	Keep away from oxidizing agents

8. Exposure Controls/ Personal Protective Equipment	
OSHA PEL	Not determined
NIOSH REL	Not determined
ACGIH TLV	Not determined
Appropriate Engineering Controls	Use adequate ventilation. Keep eye wash stations and sink nearby.
Personal Protective Equipment	Respirators: half mask respirators with organic particle filters. Hands: Chemical resistant gloves. Eye: Splash resistant goggles. Skin: Long Sleeves and long pants. No skin.

9. Physical/Chemical Properties	
Appearance	Blue
Odor	Sweet
Odor Threshold	Not determined
pH	8
Melting Point/Freezing Point	Not determined
Initial Boiling/ Freezing Point	Not determined
Flammability (solid/gas)	Not determined
Upper Flammability/Explosive Limits	Not determined
Vapor Pressure	Not determined
Vapor Density	Not determined
Relative Density	Not determined
Water Solubility	Mostly soluble
Specific Gravity	Not determined
Flash Point	>550 F
Viscosity	Not determined
Auto ignition Temperature	Not determined
Decomposition Temperature	Not determined
Partition Coefficient	Not determined

10. Stability/ Reactivity	
Reactivity	Stable under normal conditions
Chemical Stability	Stable
Possibility of Hazardous Reactions	Not determined
Hazard Decomposition	CO, CO2

11. Toxicological Information	
Acute Toxicity	None (category 5)
Inhalation	Not classified
Oral	Not classified
Dermal	Not classified
Skin Corrosion/Irritation	Not classified
Serious Eye Irritation	Not classified
Respiratory or skin sensitization/ mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive Toxicity	Not classified
Specific Target Organ-Single Exposure	Not classified
Specific Target Organ- Repeated Exposure	Not classified
Aspiration Hazard	Not determined

12. Ecological Information	
Toxicity	Not determined
Persistence and Degradability	Not determined
Mobility in soil	Not determined

13. Disposal Considerations	
Waste Treatment Methods	Dispose of as a hazardous material in accordance with federal, state, and local regulations.
Contaminated Packaging	Potential to leave residue in packaging

14. Transport Information	
DOT (US)	Sodium Hydroxide
UN number	Sodium Hydorxide- 1824
UN proper shipping name	Corrosive
Transport hazard class(es)	8
Packing group, if applicable	
Environmental hazards (e.g., Marine pollutant (Yes/No	No
Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport	None

15. Regulatory Information	
All components listed on TSCA	

16. Other Information	

Preparation Date	12/13/14
Revision Date	
Abbreviation	<p>OSHA- Occupational Safety and Health Administration</p> <p>NIOSH- National Institute for Occupational Safety and Health</p> <p>ACGIH- American Conference of Governmental Industrial Hygienists</p> <p>PEL- Permissible Exposure Limit</p> <p>REL- Recommended Exposure Limit</p> <p>TLV- Threshold Limit Value</p> <p>STEL- Short Term Exposure Limit</p> <p>TWA- Time Weighted Average (8 hr/day).</p> <p>Ppm-parts per million</p> <p>Mg/m³- milligrams per meters cubed</p>
Notice	<p>Judgments as to the suitability of information herein for purchaser's purposes are the purchaser's responsibility. TST has taken reasonable care in preparing above information to be as accurate as possible. TST makes no warranties, representations, and assumes no responsibility to the suitability of such information and for the application of said product and the consequences that occur.</p>